

WHAT IS CLAIMED IS:

- 1 1. A selective cytotoxic reagent comprising an onc protein having
2 measurable ribonucleolytic activity joined to an antibody directed against a surface marker
3 expressed by a B cell.

- 1 2. The reagent of claim 1, wherein the onc protein has the amino acid
2 sequence of SEQ ID NO:1.

- 1 3. The reagent of claim 1, wherein the onc protein is produced by
2 recombinant means.

- 1 4. The reagent of claim 3, wherein the onc protein has the amino acid
2 sequence of SEQ ID NO:3

- 1 5. The reagent of claim 3, wherein the onc protein is encoded by the
2 nucleic acid molecule identified as SEQ ID NO:2.

- 1 6. The reagent of claim 1, wherein the antibody is a monoclonal
2 antibody.

- 1 7. The reagent of claim 6, wherein the monoclonal antibody is
2 humanized.

- 1 8. The reagent of claim 7, wherein the monoclonal antibody is a single
2 chain antibody.

- 1 9. The reagent of claim 1, wherein the antibody is specific for B cell
2 lymphomas.

- 1 10. The reagent of claim 9, wherein the antibody is selected from the
2 group consisting of RFB4 and LL2.